

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013008.D
 Acq On : 20 Mar 2023 15:17
 Operator : KP/MD
 Sample : 02001-04
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRV-2

Quant Time: Mar 21 01:13:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

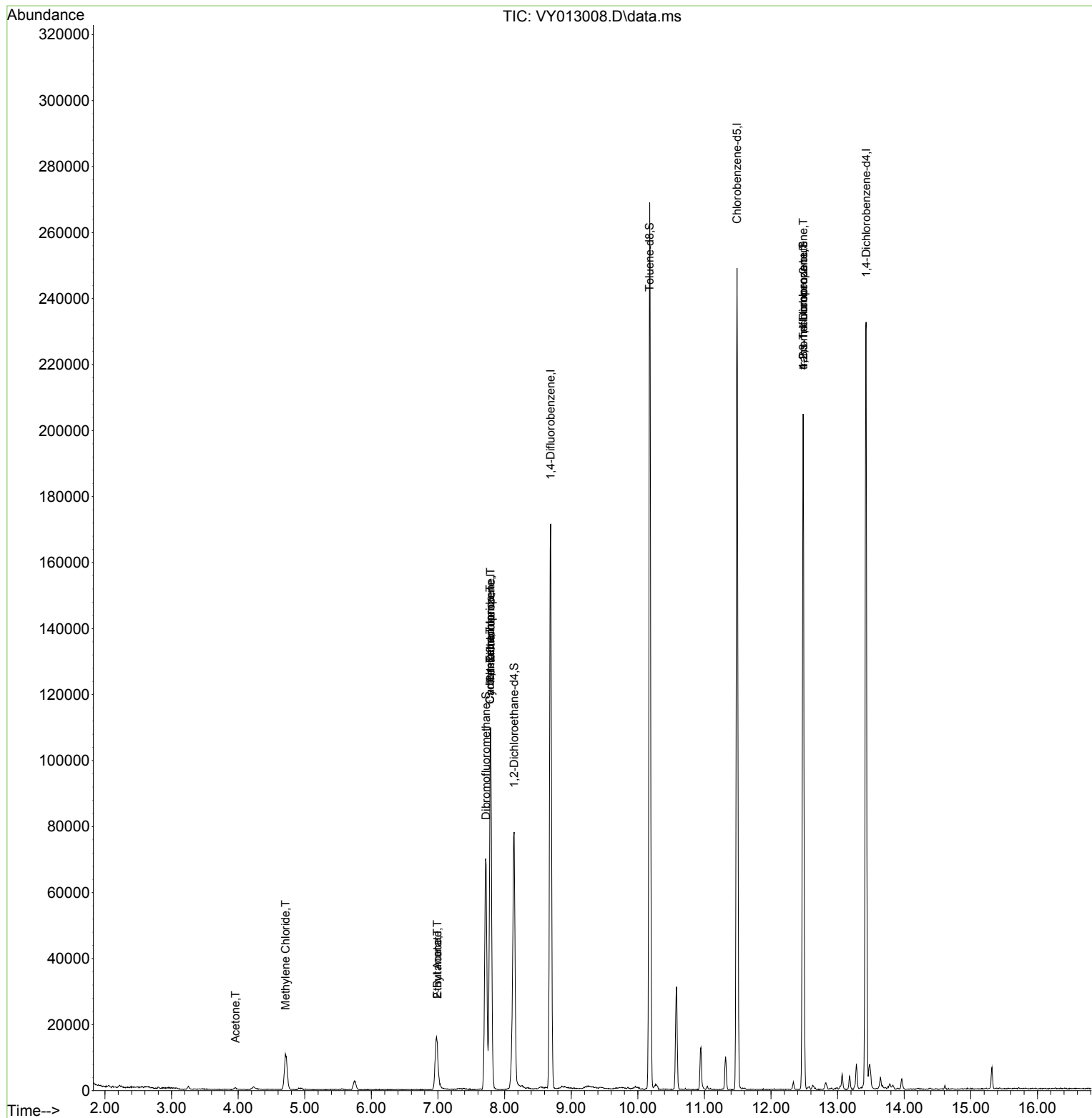
Internal Standards						
1) Pentafluorobenzene	7.789	168	84428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	132597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	60041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55390	66.077	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.160%	
35) Dibromofluoromethane	7.722	113	48690	55.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.800%	
50) Toluene-d8	10.179	98	171969	54.007	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.020%	
62) 4-Bromofluorobenzene	12.483	95	53177	49.479	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	375	Below Cal	#	74
16) Acetone	3.960	43	962	2.924	ug/l #	86
20) Methylene Chloride	4.710	84	7681	2.551	ug/l	92
25) 2-Butanone	6.990	43	1014	2.488	ug/l #	85
31) Cyclohexane	7.783	56	1968	1.226	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	6794	4.655	ug/l #	49
37) Ethyl Acetate	6.990	43	1014	1.102	ug/l #	1
38) Carbon Tetrachloride	7.783	117	8182	5.428	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	29369	40.962	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	29369	84.874	ug/l #	13

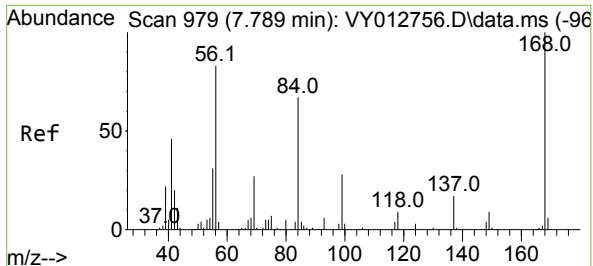
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

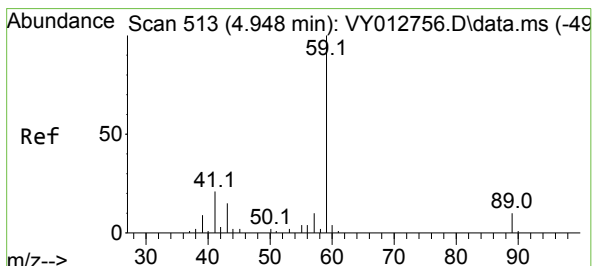
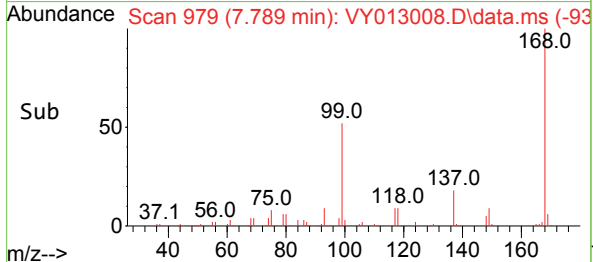
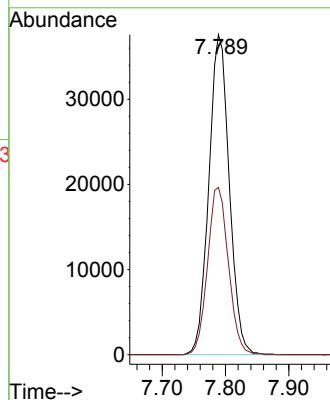
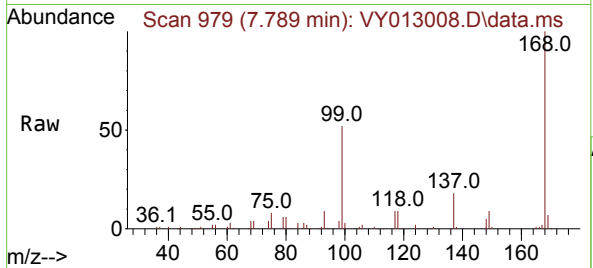




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

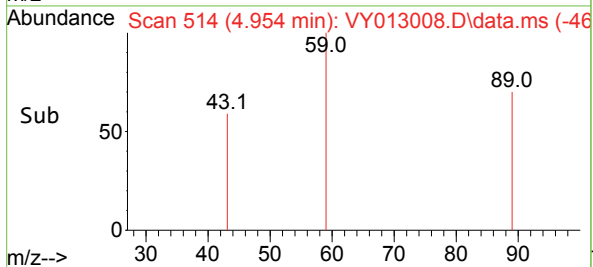
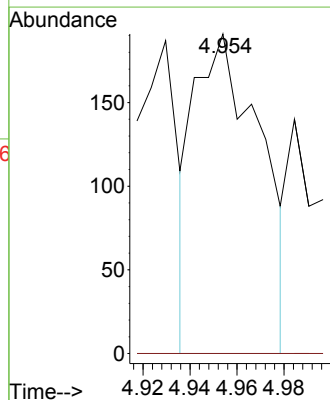
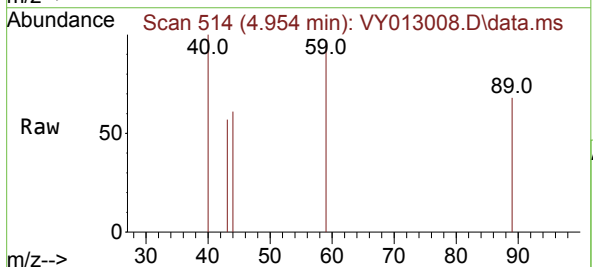
Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

Tgt Ion:168 Resp: 84428
Ion Ratio Lower Upper
168 100
99 52.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.924 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY013008.D

Acq: 20 Mar 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

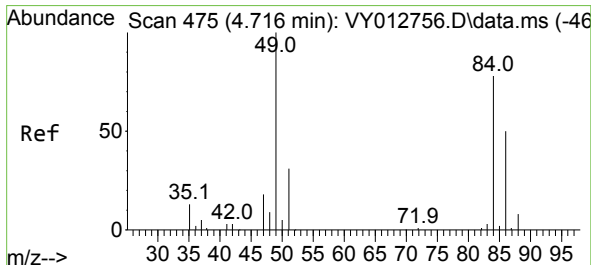
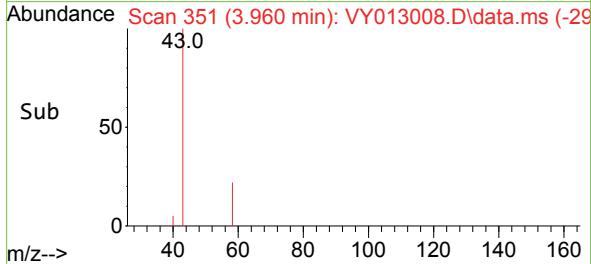
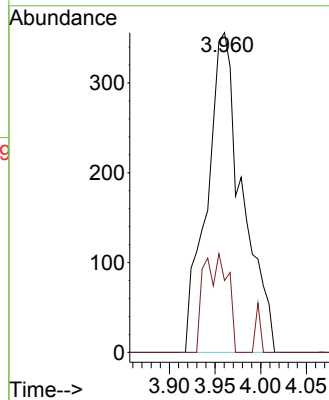
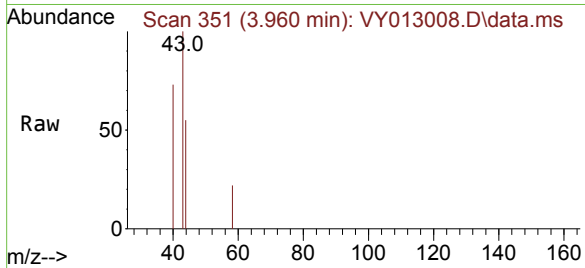
IRV-2

Tgt Ion: 43 Resp: 962

Ion Ratio Lower Upper

43 100

58 22.5 24.2 36.2#



#20

Methylene Chloride

Concen: 2.551 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013008.D

Acq: 20 Mar 2023 15:17

Tgt Ion: 84 Resp: 7681

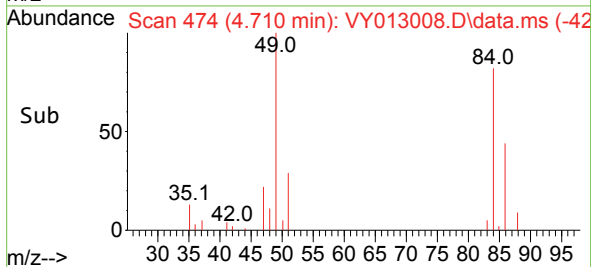
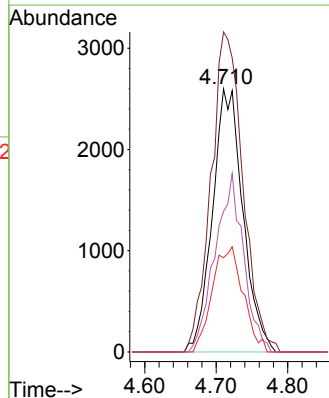
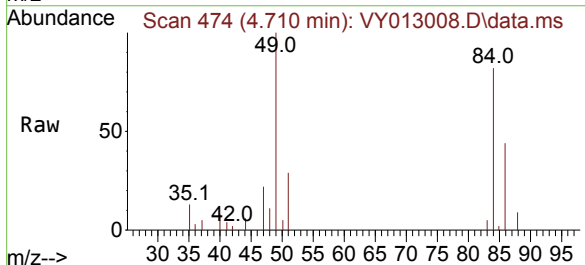
Ion Ratio Lower Upper

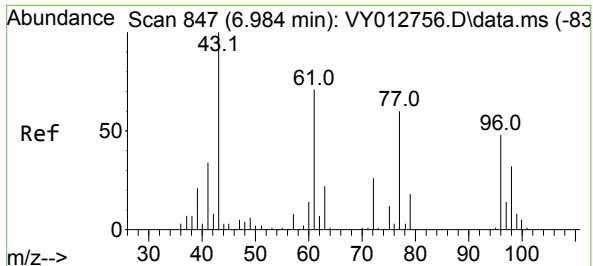
84 100

49 121.6 102.6 154.0

51 35.8 31.9 47.9

86 53.4 51.0 76.6





#25

2-Butanone

Concen: 2.488 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY013008.D

Acq: 20 Mar 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

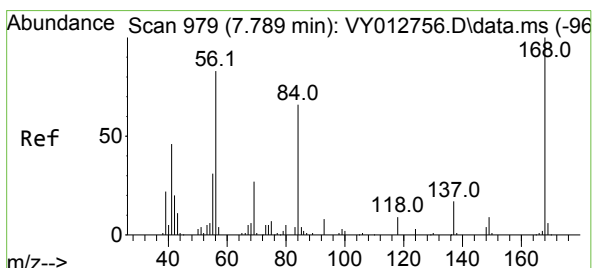
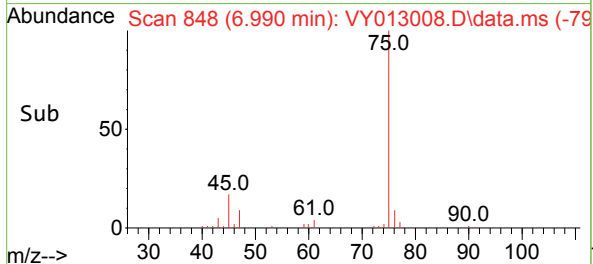
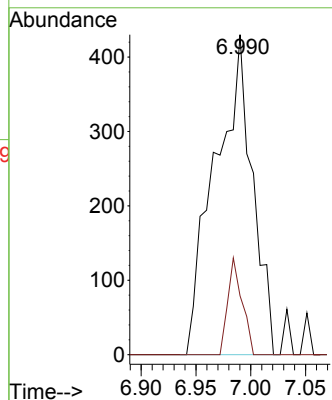
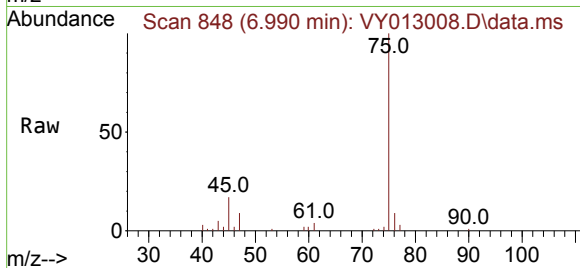
IRV-2

Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

43 100

72 18.4 21.0 31.4#



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013008.D

Acq: 20 Mar 2023 15:17

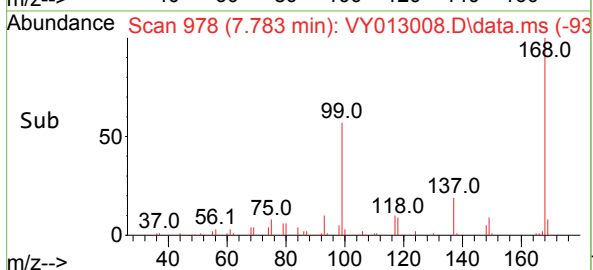
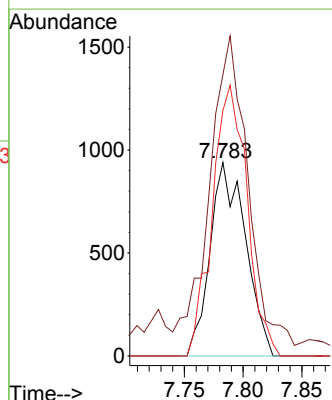
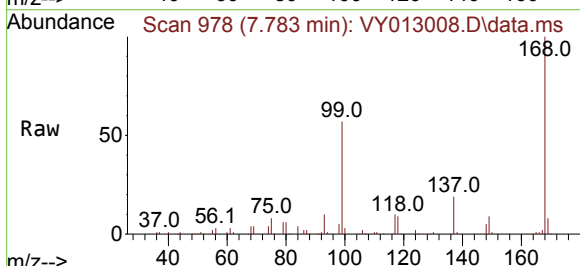
Tgt Ion: 56 Resp: 1968

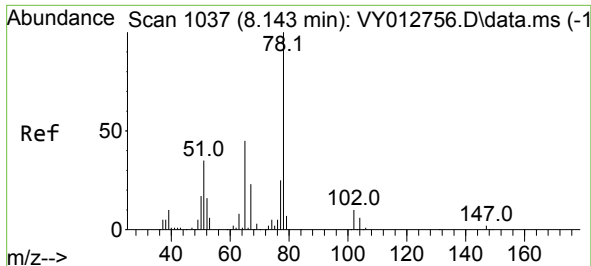
Ion Ratio Lower Upper

56 100

69 129.6 25.7 38.5#

84 126.9 64.3 96.5#

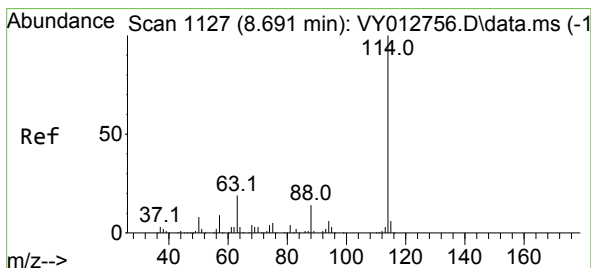
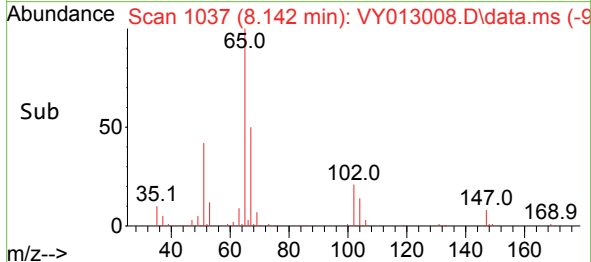
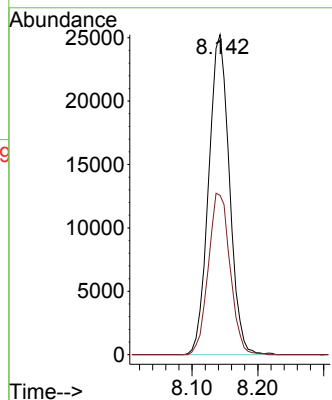
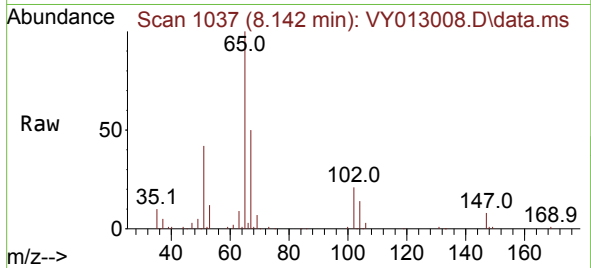




#33
1,2-Dichloroethane-d4
Concen: 66.077 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

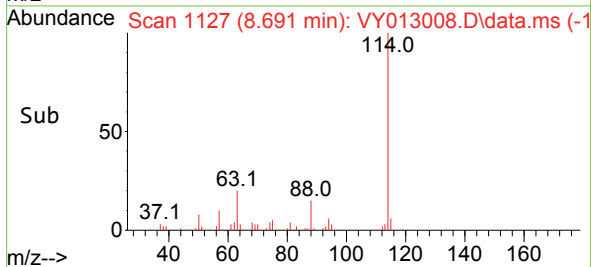
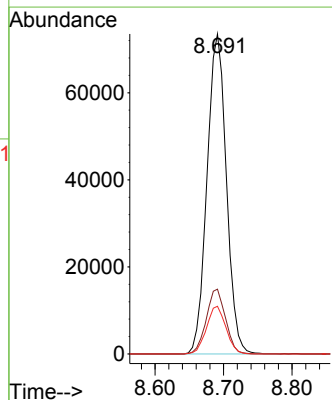
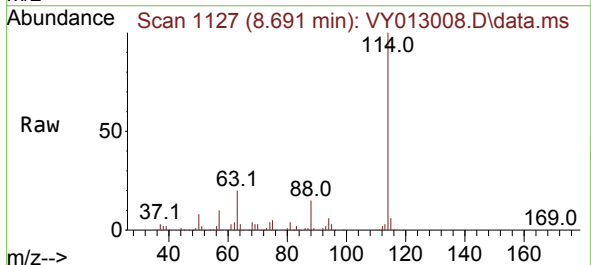
Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

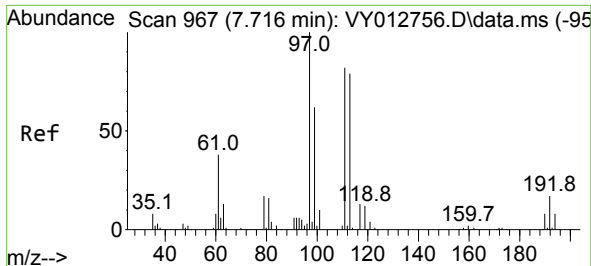
Tgt Ion: 65 Resp: 55390
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion: 114 Resp: 144324
Ion Ratio Lower Upper
114 100
63 20.2 0.0 37.4
88 14.9 0.0 28.6

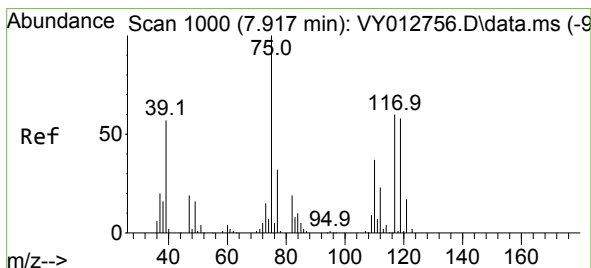
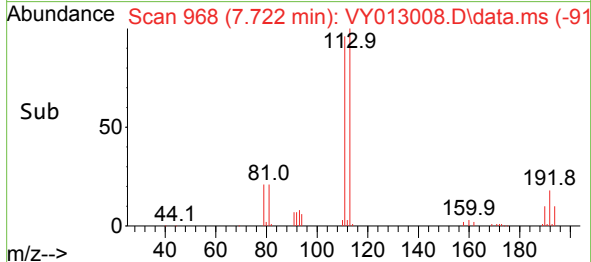
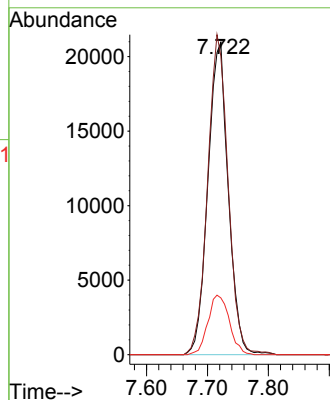
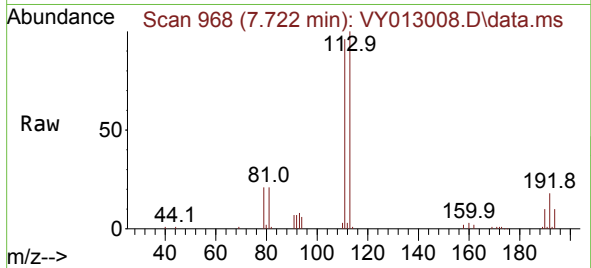




#35
Dibromofluoromethane
Concen: 55.902 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

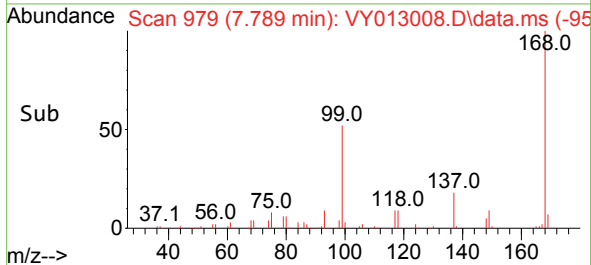
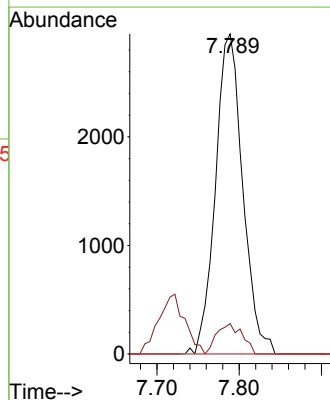
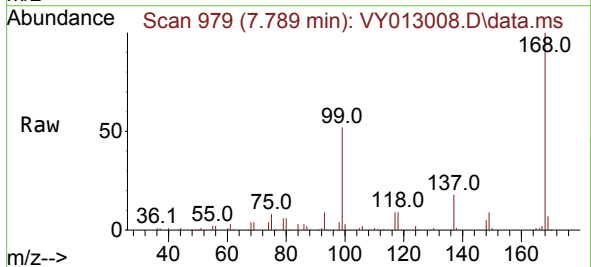
Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

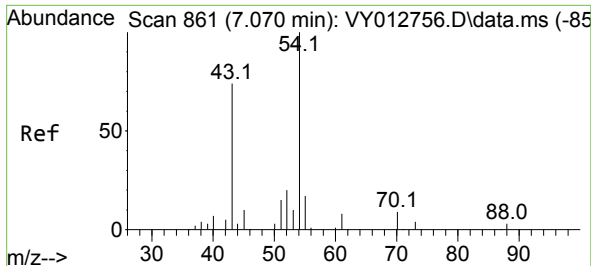
Tgt Ion:113 Resp: 48690
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.655 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion: 75 Resp: 6794
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.102 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY013008.D

Acq: 20 Mar 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

IRV-2

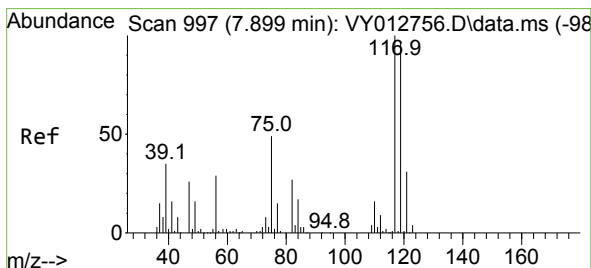
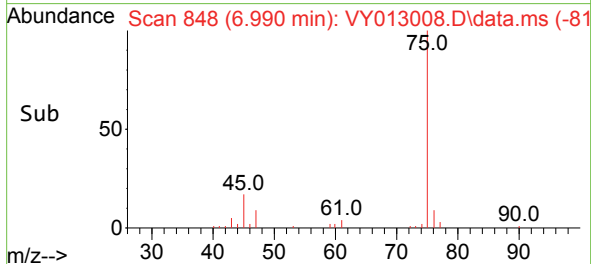
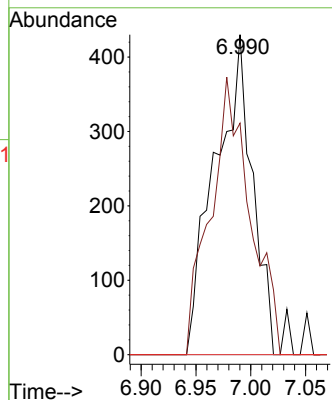
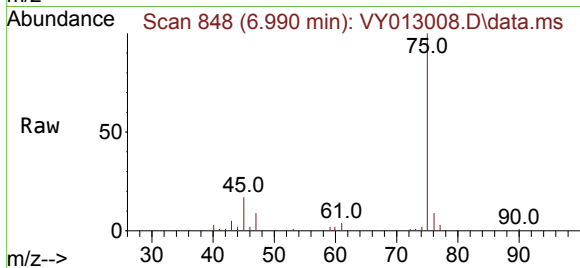
Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

43 100

61 92.8 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.428 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013008.D

Acq: 20 Mar 2023 15:17

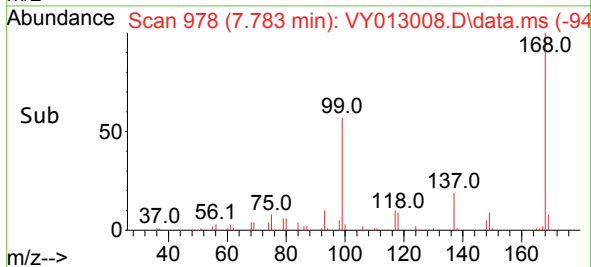
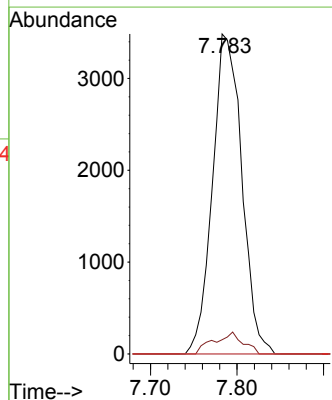
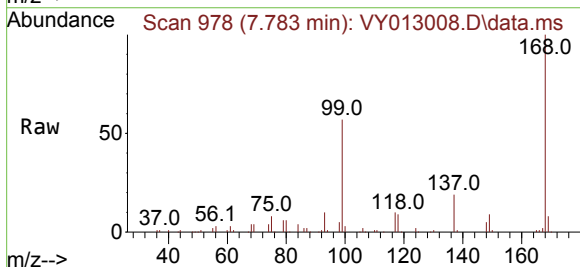
Tgt Ion: 117 Resp: 8182

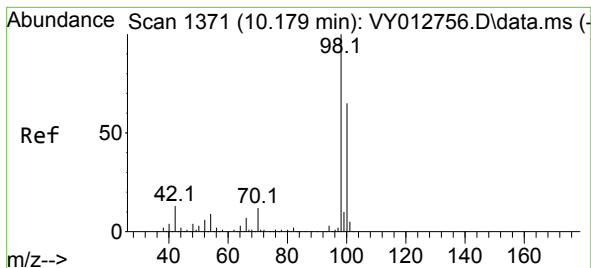
Ion Ratio Lower Upper

117 100

119 4.4 77.2 115.8#

121 0.0 24.7 37.1#

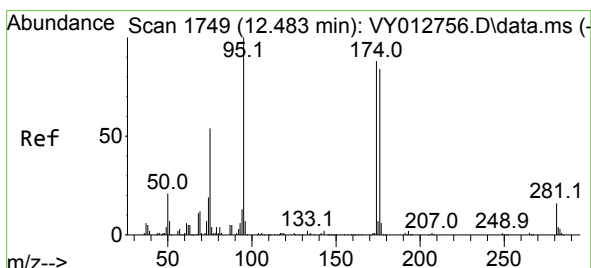
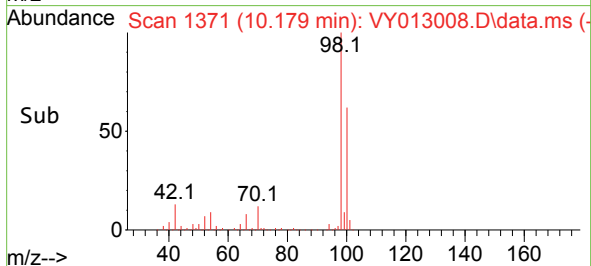
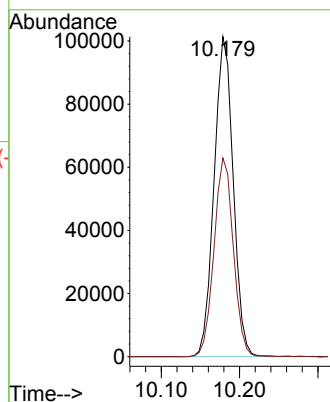
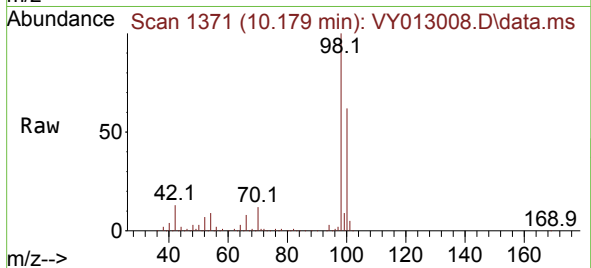




#50
Toluene-d8
Concen: 54.007 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

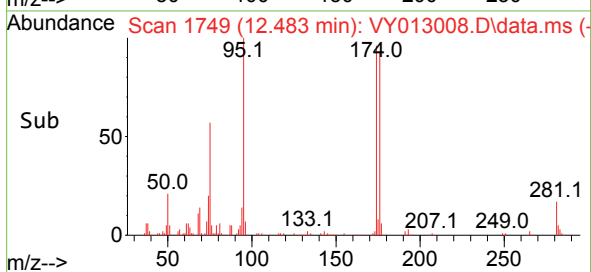
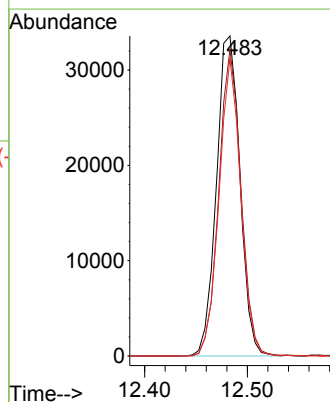
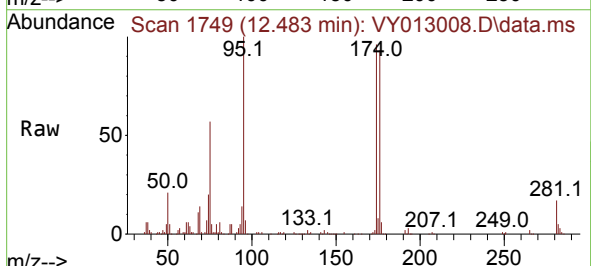
Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

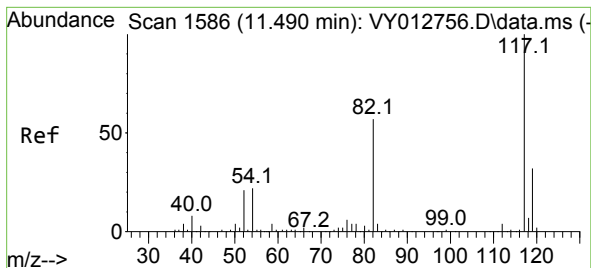
Tgt Ion: 98 Resp: 171969
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.479 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion: 95 Resp: 53177
Ion Ratio Lower Upper
95 100
174 90.4 0.0 176.6
176 86.1 0.0 170.2

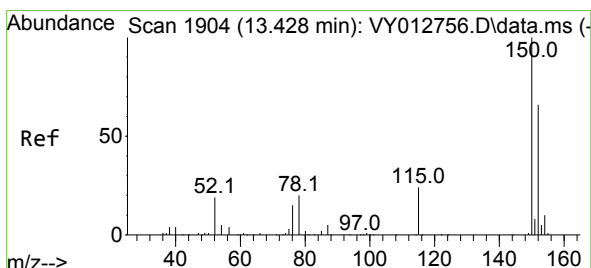
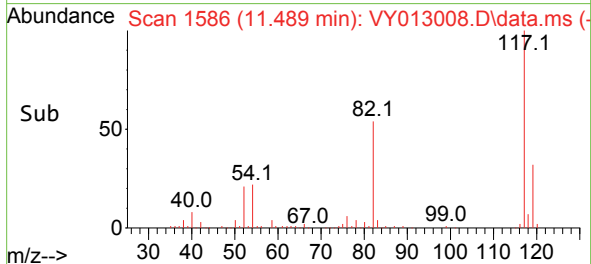
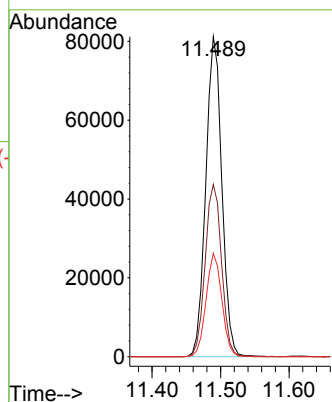
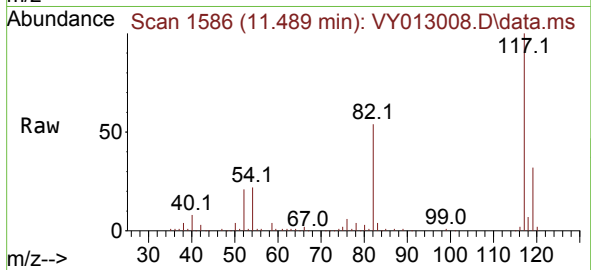




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

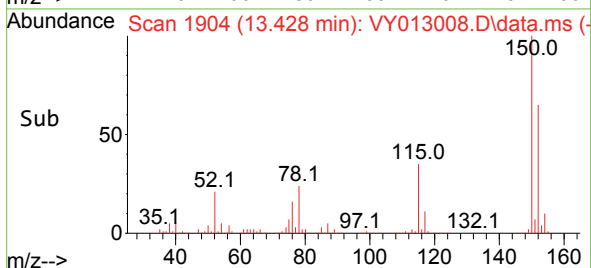
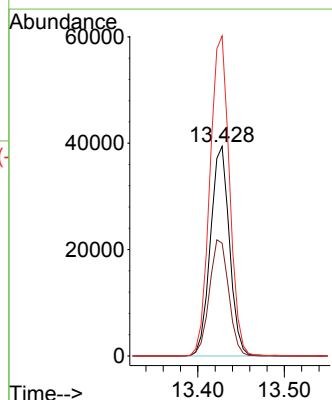
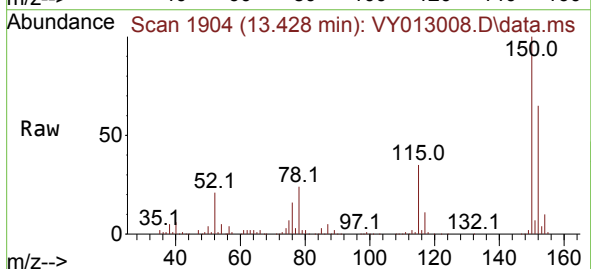
Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

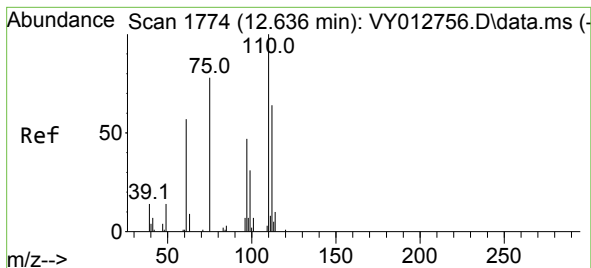
Tgt Ion:117 Resp: 132597
Ion Ratio Lower Upper
117 100
82 53.8 45.4 68.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion:152 Resp: 60041
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 157.2 0.0 347.8

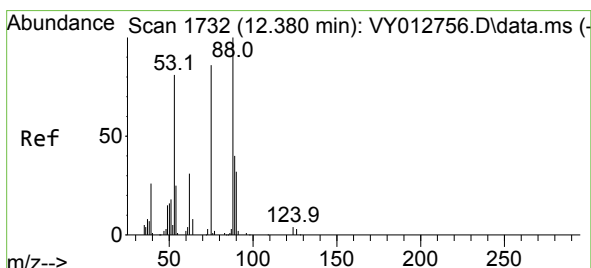
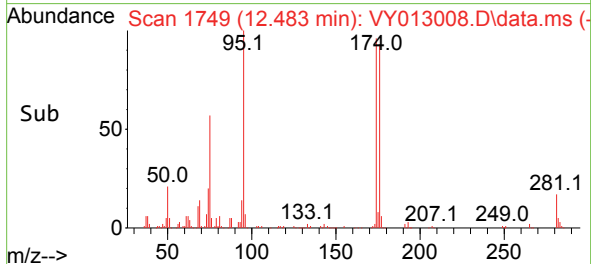
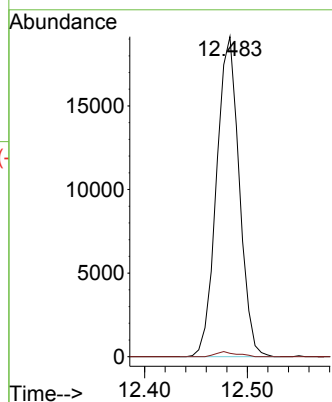
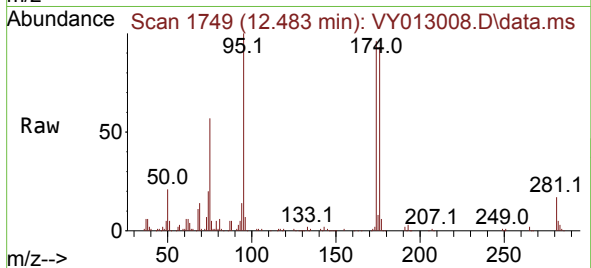




#76
1,2,3-Trichloropropane
Concen: 40.962 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

Tgt Ion: 75 Resp: 29369
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.874 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion: 75 Resp: 29369
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.0 36.6 55.0#

